

WHAT IS CLAIMED IS:

1 1. Substantially plane integrated inductor made on
2 the surface of a substrate, comprising a first
3 conducting track having a shape which defines a
4 predetermined number N of concentric turns, and
5 comprising a first pair of access points corresponding to
6 the two respective ends of the said first conducting
7 track,

8 and further comprising at least a second pair of
9 access points different from the access points of the
10 first pair, and placed at two respective regions of the
11 first conducting track.

1 2. Integrated inductor according to Claim 1,
2 wherein the shape of the first conducting track has an
3 axial symmetry of a determined axis, the said determined
4 axis being the perpendicular bisector of the segment
5 formed by the access points of the first pair of access
6 points.

1 3. Integrated inductor according to Claim 2,
2 wherein the said axis of symmetry of the first conducting
3 track is in addition the perpendicular bisector of the
4 segment formed by the access points of the second pair of
5 access points.

1 4. Integrated inductor according to Claim 2,
2 further comprising a second substantially straight
3 conducting track having an axis coincident with the axis
4 of symmetry of the first conducting track, and
5 electrically connected to the first conducting track in a
6 region corresponding to the middle of the extended length
7 of the said first conducting track, together with a first
8 additional access point corresponding to a first end of
9 the second conducting track.

1 5. Integrated inductor according to Claim 4,
2 further comprising a second additional access point
3 corresponding to a second end of the second conducting
4 track.

1 6. Integrated inductor according to claim 1,
2 wherein the access points of the second pair of access
3 points are located respectively at approximately one
4 quarter and three quarters of the extended length of the
5 first conducting track.

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1 7. Integrated inductor according to claim 1,
2 wherein the turns of the first conducting track are
3 polygonal.

1 8. Integrated inductor according to Claim 7,
2 wherein the turns of the first conducting track are
3 octagonal.

1 9. An integrated electronic circuit comprising a
2 substantially plane integrated inductor made on the
3 surface of a substrate, comprising a first conducting
4 track having a shape which defines a predetermined number
5 N of concentric turns, and comprising a first pair of
6 access points corresponding to the two respective ends of
7 the said first conducting track,

8 and further comprising at least a second pair
9 of access points different from the access points of the
10 first pair, and placed at two respective regions of the
11 first conducting track.

1 10. Integrated electronic circuit according to
2 Claim 9 further comprising means for applying currents in
3 phase opposition respectively to each of the access
4 points of the first pair of access points, and means for
5 applying currents in phase opposition respectively to
6 each of the access points of at least one of a second
7 pair of access points, a first additional access point
8 and a second additional access point being taken to a
9 neutral electrical potential.